BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

Name of the work: Estimate for Improvements to Balaji Layout Main Road in Ward No. 09, Vidyaranyapura Sub Division.

								Estimate Cost:	1500000.00
No	Description	Unit	No.	L	B	D	Qty	Rate	Amount
1	KSRRB 300-1. Earth work excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications complete as per specifications MORTH chapter 3. **Page No. 150/ Item No. 19.1/ PWD SR 2012-13**	Cum							
	Berm Cutting								
	Main Road		2	220.00	1.00	0.30	132.00	✓	
	Earthwork for CC Drain		1	220.00	0.90	0.90	178.20	✓	
							310.20	58.32	**18091.0**
	Basic Rate	54.00	✓						
	Area Weightage @8%	4.32	✓						
	Total	**58.32**	✓						
2	KSRB 4-1.3 : Providing and laying in position plain cement concrete of **mix M7.5 with OPC cement @ 180 kgs with 40mm** and down size graded granite metal coarse aggregates @ 0.85cum and fine aggregares @ 0.57 cum machine mixed, concrete laid in layers not, exceeding 15cms, thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1,4.2. **No. 12/ Item No. 4.3/ PWD SR 2012-13**	Cum					✓	✓	✓
	Bottom Concrete		1	220.00	0.90	0.15	**29.70**	3812.82	**113241.0**
	Basic Rate	3597.00	✓						
	Area Weightage @ 6%	215.82	✓						
	Total	**3812.82**	✓						
3	KSRB 4.2.2 : Providing and laying in position **reinforced cement concrete of design mix M20 with OPC cement @ 320 Kgs with 20mm** and down size graded granite metal coarse aggregates @ 0.878cum and fine aggregates @ 0.459 cum wuth superplastisier @ 3lts confirming to IS 9103-1999 reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works **in foundation plinth and ground floor level for roof slabs, staircase, lintels, retaining walls, return walls, wall** (any thickness) including attached plasters, columns, piers, abutments, pillars, posts, struts, cks, anchor blocks, plain window cills, fillets etc., including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.6 **Page No. 13/ ITem**	Cum							

Item NO: 4.11.1

S. No	Description	Unit	No.	L	B	D	Qty	Rate	Amount
	Bottom		1	220.00	0.90	0.15	29.70		
	Side Walls		2	220.00	0.15	0.60	39.60		
							69.30	5142.06	**356345.0**
	Basic Rate	4851.00							
	Area Weightage @ 6%	291.06							
	Total	**5142.06**							
4	KSRB 4.9.1: Providing **mild steel reinforcement for R.C.C** work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost pf materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3 **Page No. 19/ Item No. 4.45 PWD SR 2012-13**	Qntl							
	~~For Roof~~, Columns @ 65 Kg / Cum		0.65	69.30			45.05		
							45.05	7690.30	**346410.0**
	Basic Rate	7255.00							346448
	Area Weightage @ 6%	435.30							
	Total	**7690.30**							
5	KSRB 4-6.4: Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for **vertical surface** such as **walls at any thickness**, including attached pilasters, buttresses, plinth and string courses cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2 **Page No.17 / Item No. 4.31 PWD SR - 2012-13**	Sqm							
	~~Thindlu Mariyamma Colony~~		4	220.00		0.65	572.00		
							572.00	244.08	**139614.0**
	Basic Rate	226.00							
	Area Weightage @ 8%	18.08							
	Total	**244.08**							
6	KSRRB 300-45: Scarifying stone metal crust 50mm to 100mm thick with pick axes along with premix carpet/surface dressing and stacking of old serviceable materials within a lead of 100 meters by manual means including cost of all labour charges complete as per specifications. MORTH chapter 3, **No. 156 / Item No. 19.51/ PWD SR 2012-13**	Sqm							
	Main Road		1	220.00	4.00		880.00		
							880.00	35.91	**31601.0**
	Basic Rate	33.25							
	Area Weightage @ 8%	2.66							
	Total	**35.91**							

Sl No	Description	Unit	No.	L	B	D	Qty	Rate	Amount
7	Providing, laying, spreading and compacting graded stone aggregate to **wet mix macadam** specification including premixing the Material with water at OMC in mechanical mix plant carriage of mixed Material by tipper to site, laying in uniform layers with paver in sub-base / base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications **(P.167/I.20.18) PWD SR - 2012-13.**	Cum							
	Main Road		1	220.00	5.00	0.15	**165.00**	1059.48	**174814.00**
	Basic Rate	981.00							
	Area Weightage @ 8%	78.48							
	Total	**1059.48**							
8	KSRRB 500-1.1 : Cleaning the existing WBM road surface including removing of binding materials and other foreign matter with wire bushes and small picks, sweeping with brooms or soft brushes and finally dusting with old gunny bags and / or compressed air to receive bituminous treatment including cost of all materials, labour, HOM of machineries, curing complete as per specifications. Specification No. 500-1.3 **(P.172 / I.21.1) PWDSR 2012-13**	Sqm							
	Main Road		1	220.00	5.00		**1100.00**	9.29	**10217.00**
	Basic Rate	8.60							10219
	Area Weightage @ 8%	0.69							
	Total	**9.29**							
9	KSRRB M500-6: Providing and applying primer coat with bitumen emulsion on prepared surface of granular base including clearing of road surface and spraying primer at the rate of 0.60 kg / sqm using mechanical means complete as per specifications. MORTH specification NO. 502, **Page No. 172/ Item No. 21.6/ PWD SR 2012-13**	Sqm							
			Qty Vide Item No. 8				1100.00		
							1100.00	39.64	**43600.00**
	Basic Rate	36.70							43604
	Area Weightage @ 8%	2.94							
	Total	**39.64**							
10	KSRRB M500-18: Providing and laying **semi dense bituminous concrete** 25mm thick with 100-120 TPH batch type HMP producing an average output of 75 tonnes per hour using crushed aggregates of specified grading, premixed with bituminous binder at 4.5 to 5% of mix and filler, transporting the hot mix to work site, laying with a hydrostatic paver finisher with sensor control to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem roller to achieve the desired compaction as per MORTH specifications clause No. 500.8 complete in all respects as per specifications. **With 80/100 grade bitumen, No. 175/ Item No. 21.20.1/ PWD SR 2012-13**	Cum							

Sl No	Description	Unit	No.	L	B	D	Qty	Rate	Amount
			1	220.00	5.00	0.025	27.50		
							27.50	8829.00	**242798.0**
	Basic Rate	8175.00							
	Area Weightage @ 8%	654.00							
	Total	**8829.00**							
11	Lead for Disposal of Debris shall be payable at carriage rates by Mechanical means inlcuding loading and unloading. From 0.00 to 2.00 Km (Page No.123)	Cum							
			Vide Item No. 1				**310.20**	72.71	22553.0
	Basic rate for haulage of materials as per item no.17.4 page 141) Rs. 2.00								22555.
	Average weight of earth 1.28 tonne / kg for 2X1.28X2.00=5.12	5.12							
	Add loading and unloading Vide item no.17.1 P.no.141	62.20							
		67.32							
	Area Weightage @ 8%	5.39							
	Total	**72.71**							
									670.0
12	Miscellaneous and other Charges	L/S							716.00
								Total	**1500000.00**

(Rs. Fifteen Lakhs Only)

CERTIFICATE:

1 The work spot has been inspected and the work is found necessary.
2 This estimate is prepared as per P.W.D S.R of 2012-13.
3 This work included under 2012-13 POW Grant.
4 The provisions were made in this estimate are necessary and adequate.
5 This works come under B.B.M.P. limits.

Assistant Engineer

Assistant Executive Engineer
Bruhat Bangalore Mahanagara Palike
Vidyaranyapura Sub Division

Executive Engineer
Bruhat Bangalore Mahanagara Palike
Byatarayanapura Division

ADMINISTRATIVELY SANCTIONED FOR Rs.....
Rupees Fifteen lakh only
...2012-13.
P.1771)
...ed as EE( )No. ...3...9....
...ct to conditions contained in
...losed memo EE(B)/No. 779 /9/....
D... 7.2.13 Estimate Administratively sanctioned
... JC AIA No. 779/12-13
da... 7.2.13 Rs. 15.00 lakh

"copy"

Joint Commissioner
(Mahadevapura Zone)
BBMP, Bangalore-92.

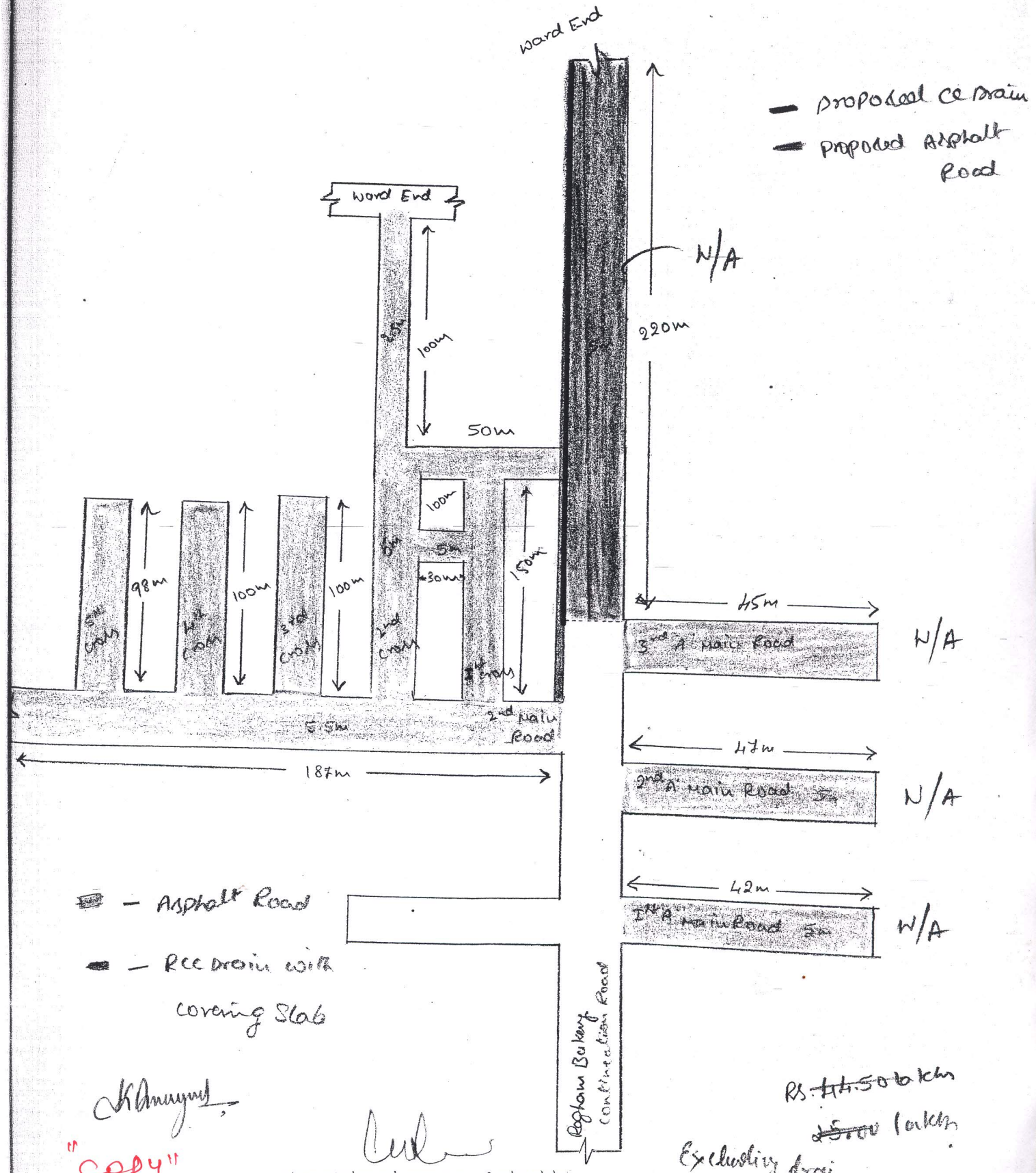
Technical Sanction for Rs. 15.00 lakh
Fifteen lakh only
under PDS-2012-13
P.1771
registered as EE No: 321/12-13 Subject to conditions contained enclosed memo.
No: 321/12-13 Dr. 10-2-13

AE/JE

EE (BTP. Div)

ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ವ್ಯಾಟರಾಯನಪುರ ವಿಭಾಗ
ಬ.ಬೆ.ಮ.ಪಾ., ಬೆಂಗಳೂರು

Balaji Layout



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Rs. ~~44.50~~ lakhs
~~45.00~~ lakhs
Excluding drain

33.00 lakhs.

P.W.O

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ವಿದ್ಯಾರಣ್ಯಪುರ ಉಪ ವಿಭಾಗ,
ಯಲಹಂಕ ವಲಯ,
ಬೃ. ಬೆಂ. ಮ. ಸಾ., ಬೆಂಗಳೂರು-97,

~~ಕಾರ್ಯಪಾಲಕ~~ ಅಭಿಯಂತರರು
ಬ್ಯಾಟರಾಯನಪುರ ವಿಭಾಗ
ಬೃ.ಬೆ.ಮ.ಸಾ., ಬೆಂಗಳೂರು